

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



03 JAN 2005



(43) International Publication Date
15 January 2004 (15.01.2004)

PCT

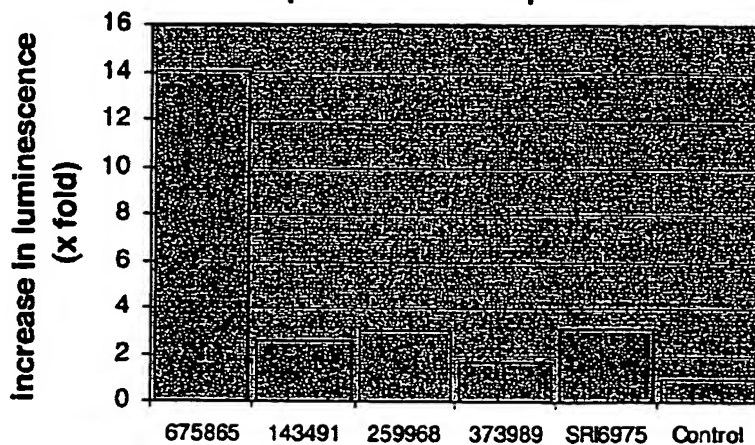
(10) International Publication Number
WO 2004/005464 A2

- (51) International Patent Classification⁷: C12N
- (21) International Application Number:
PCT/US2003/020732
- (22) International Filing Date: 2 July 2003 (02.07.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/393,266 2 July 2002 (02.07.2002) US
- (71) Applicant (for all designated States except US): UAB RE-SEARCH FOUNDATION [US/US]; AB1120G, 1530 3rd Avenue South, Birmingham, AL 35294-0111 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): SORSCHER, Eric, J. [US/US]; 924 Conroy Road, Birmingham, AL 35205 (US).
- (74) Agents: GOLDSTEIN, Avery, N. et al.; Gifford, Krass, Groh, Sprinkle, Anderson & Citkowski, P.C., Suite 400, 280 N. Old Woodward Ave., Birmingham, MI 48009 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GI, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— without international search report and to be republished upon receipt of that report

(Continued on next page)

(54) Title: COMPOUNDS PROMOTING DELIVERY OF GENES

Increase in Relative Luciferase Activity in
CalU3 cells infected with Ad-Luc in the
presence of compounds



(57) Abstract: A process is provided for activating gene transfer in a cell by administering a gene transfer activating compound to the cell in conjunction with a gene transfer vector. A kit for activating gene transfer as well as process for identifying a compound that activates gene transfer are described. Use of a gene transfer activator compound enhances gene transfer of a given gene transfer vector.

WO 2004/005464 A2